

# EMC Avamar Administration, Installation and Configuration

## Course Description



**Course Number**  
MR-7CN-AVAM633

**Delivery Method**  
Instructor Led

**Duration**  
40 Hours

### Overview

This course provides participants with the knowledge and basic skills necessary to install, configure, administer, monitor and troubleshoot an EMC Avamar backup environment. Hands-on labs give students the opportunity to install single node and multi-node Avamar servers, configure and perform backups and restores, and perform node addition and node replacement tasks. Recommended Avamar best practices are presented throughout the course.

Note: This course is a combination of EMC Avamar Administration and EMC Avamar Installation and Configuration courses.

### Audience

This course is intended for systems engineers, partners and software support specialists who install, configure and support EMC Avamar.

### Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Backup and recovery concepts
- Avamar solution concepts
- Network administration in a TCP/IP environment

A list of specific prerequisite courses can be found in EMC Education Services Learning Management System.

### Course Objectives

Upon successful completion of this course, participants should be able to:

- Describe EMC Avamar functionality
- Describe the Avamar de-duplication process
- Install and configure Avamar Server software (single and multi-node configurations)
- Perform node replacement and node addition
- Install Avamar Administrator and Client software
- Configure and run scheduled and on-demand backups
- Restore files using various Avamar interfaces
- Configure and run Avamar standard replication
- Describe Avamar server daily maintenance activities: checkpoints, HFS checks, garbage collection
- Use Avamar tools to perform system monitoring, maintenance, capacity management and basic troubleshooting tasks



EMC Corporation  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

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### Modules

These modules are designed to support the course objectives. The following modules are included in this course:

#### EMC Avamar Installation and Configuration

- Avamar Fundamentals
- Building an Avamar System
- Avamar Installation
- Avamar Node Replacement
- Avamar Node Addition

#### EMC Avamar Administration

- Avamar Administration
- Avamar Backups
- Performing Recoveries
- Using Enterprise Manager and Replication
- System Monitoring and Maintenance
- Logs, Troubleshooting and Reporting

### Labs

Labs reinforce the information you have been taught. The labs for this course include the following topics:

#### EMC Avamar Installation and Configuration

- Installation and configuration of an Avamar single node server
- Installation and configuration of an Avamar multi-node server
- Avamar node replacement
- Avamar node addition

#### EMC Avamar Administration

- Installation of Avamar Administrator and account management tasks
- Installation of Avamar client software
- Configuring and running scheduled and on-demand backups
- Running restores
- Using Avamar Enterprise Manager
- Configuring and running Avamar standard replication
- Performing daily system monitoring tasks
- Daily maintenance activities, including checkpoints, managing schedules and capacity
- Exploring Avamar processes and logs
- Running standard and custom reports



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